

Millimolar extinction coefficients for HbA₀ oxy (—), deoxy (---), and NO (.....) in PBS buffer pH 7.4 at 20°C

Table 3. Millimolar extinction coefficients (per heme basis) of nitrosyls and other derivatives of hemoglobin and myoglobin in 0.1 M sodium phosphate buffer, pH 7.0 at 20°C. The extinction coefficients for the nitrosyl derivatives are from the authors' laboratories. The other coefficients are taken from Antonini and Brunori [21]

Species	Soret			Visible		
	γ-band			β-band		
	λ (nm)	ε	λ (nm)	ε	λ (nm)	ε
MbNO	420	132	547	11.8	579	10.5
Horse heart MbNO	422	140				
Sperm whale MbNO	417	126	544	11.4	572	11.4
Human Mb (deoxy)	435	121		560	13.8	
Horse heart Mb (deoxy)	434	115		556	11.8	
Sperm whale Mb (deoxy)	430	133		555	12.5	
Human MbO ₂			542	13.9	580	14.4
Horse heart MbO ₂	418	128	543	13.6	581	14.6
Sperm whale MbO ₂	415	125	541	13.8	577	14.6
Human MbCO	424	207	540	15.4	579	13.9
Horse heart MbCO	423	187	542	14.0	579	12.2
Sperm whale MbCO	419	191	540	13.4	569	

